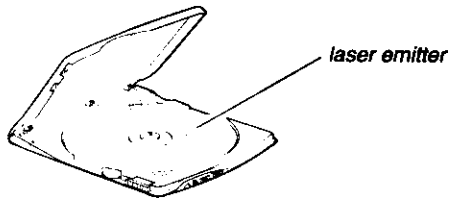
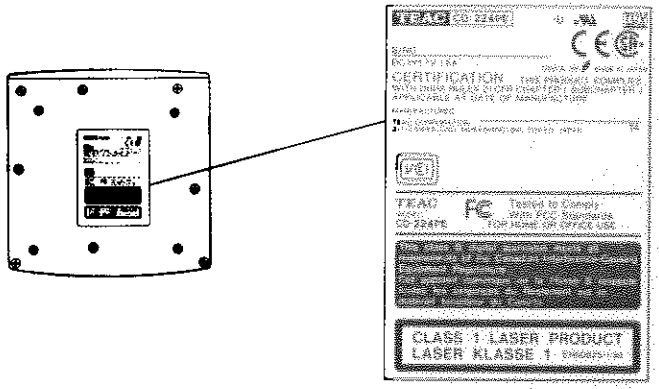
Safety Information

The TEAC PortaCD uses an invisible laser beam that can damage your vision if you stare directly into it or view it with optical instruments when the disc tray cover is open. Avoid direct visual contact with the laser beam.



Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



Optical Pickup	
Type	HPC-5
Laser output	Less than 0.5mW on the objective lens
Wavelength	770-795nm

Declaration of Conformity	
Model Number:	CD-224PE
Trade Name:	TEAC
Responsible Party:	TEAC AMERICA, Inc.
Address:	7733 Telegraph Road Montebello, California 90640, U.S.A.
Telephone Number:	1-323-726-0303
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.	

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Introduction

Thank you for choosing the TEAC PortaCD (model CD-224PE).

This durable, portable, external CD-ROM drive can read CD-ROM discs up to a maximum of 24 times normal speed. It is designed for use with IBM PC or compatible portable computers that utilize PCMCIA card technology.

Using the included PCMCIA cable, you can connect the PortaCD directly to your portable computer if it is equipped with a PC card slot.

The PortaCD can transfer data to your computer and draw power through your computer's power supply via the PCMCIA cable. This means that you can connect the CD-ROM drive to your portable computer using a single, convenient cable.

The PortaCD features a disc tray cover that swings up to facilitate loading and unloading compact discs.

Please read this manual in its entirety before you begin the installation procedure.

Recommended System Requirements

The following items represent the minimum system requirements for successful operation of the PortaCD.

- ❑ Portable IBM PC-compatible computer, Pentium 133MHz or higher
- ❑ Microsoft Windows 98, 95, NT 4.0 (3.x; MS-DOS)*
- ❑ PCMCIA Card Type II slot
- ❑ 3.5" floppy disk drive for software installation

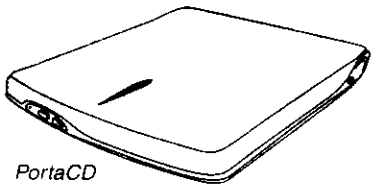
* Drivers for 3.x and MS-DOS may be downloaded from the TEAC website: http://www.teac.com/dsp/new-dsp.html

Unpacking Your PortaCD

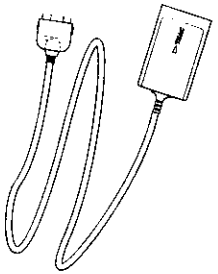
Your TEAC PortaCD and accessories are packaged in a sturdy shipping container. Please verify that the following items are included in the package (see Figure A).

If an item is missing, contact the dealer from whom you purchased the drive.

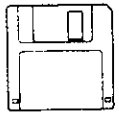
- ❑ PortaCD portable CD-ROM drive
- ❑ PCMCIA card/cable
- ❑ Installation software floppy disk
- ❑ *User's Guide* (this manual)



PortaCD



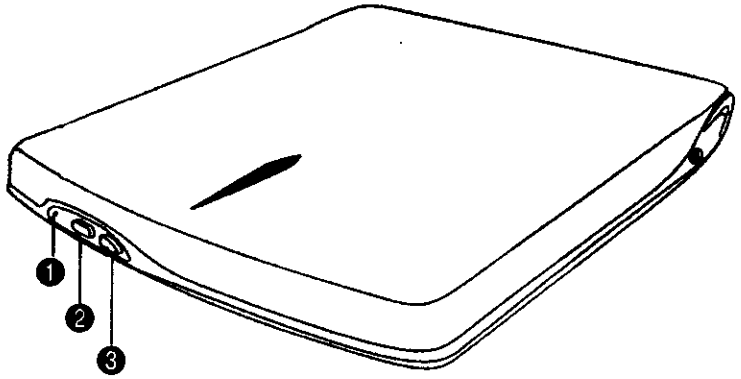
PCMCIA card/cable



Installation software floppy disk

— Figure A —

Front and Right Panels



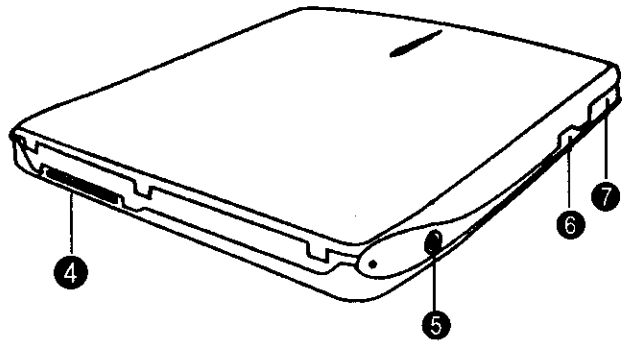
— Figure B —

❶ **On/Busy indicator:** This indicator lights up green when power to the PortaCD is turned on and flashes amber to indicate that the drive is in seek, play, or read mode.

❷ **Stop Button:** This button stops the play of an audio compact disc.

❸ **Play Button:** This button plays an audio CD.

Left and Rear Panels



— *Figure C* —

4 **Interface connector:** Connect the plug end of the provided PCMCIA interface cable to this connector. (See "Connecting the PortaCD" on page 5 for more information.)

5 **Headphone jack:** You can connect headphones or external speakers to this 3.5 mm stereo mini-jack. See "Connecting to Audio Equipment" on page 5 for more information.

6 **Volume control:** Use the volume control to adjust the volume. Turn the control to the right to increase the volume.

> ***Caution:*** *Do not raise the volume level output to headphones too high or you may damage your hearing.*

7 **Open button:** Slide forward the Open button to unlatch the lid.

> ***Caution:*** *Do not forcefully pull open or close the disc tray by hand or you may damage the unit.*

Operating Orientation

Place the TEAC PortaCD drive on a stable, level surface for operation. The surface should be within 10° of horizontal.

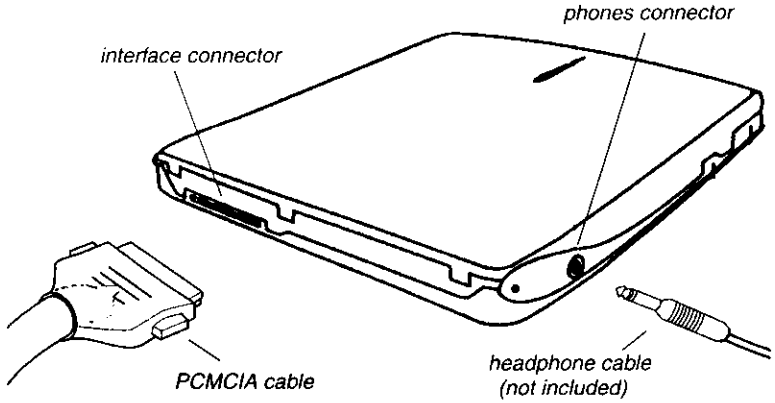
> *Caution: Do not operate the drive upside-down (i.e., with the TEAC logo facing down).*

Connecting the PortaCD

This section explains how to connect the PortaCD to an IBM PC or compatible portable computer that utilizes PCMCIA card technology. The procedure begins by connecting the appropriate cables to the PortaCD. Please read the following instructions thoroughly; the installation procedure varies depending on the operating system you are using.

1. **Connect the PCMCIA cable plug to the interface connector on the side panel of the PortaCD.**

   Refer to Figure D. As you fully insert the plug into the interface connector, you should hear a tiny click sound.



— *Figure D* —

2. **Do <u>not</u> insert the PCMCIA card into the computer at this time.**

   With Windows 98/95, the PortaCD enables you to perform a "hot swap" installation while the computer is powered on. You will insert the card for the first time later as part of the software installation procedure.

Connecting to Audio Equipment

The PortaCD outputs a line-level audio signal from the headphone jack. You can connect a 3.5 mm stereo mini-plug to the headphone jack (see Figure D on page 5).

Press the Play and Stop buttons on the front panel to control playback (for more information, see page 3).

Installing the Device Driver Software

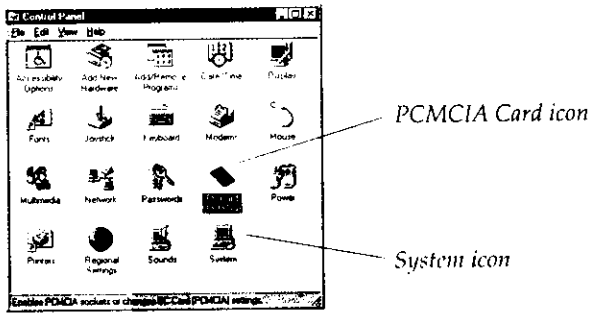
Before you can operate the PortaCD, you must:

- ❑ install device driver software on your computer's hard disk, and
- ❑ make sure Windows recognizes the PCMCIA socket.

To determine whether Windows recognizes the PCMCIA socket in your computer, follow these steps, which may vary slightly with your version of Windows.

1. **Click the left mouse button on the Windows Start icon, and select "Settings-->Control Panel" from the pop-up menu.**

   The system displays the Control Panel (Figure E).



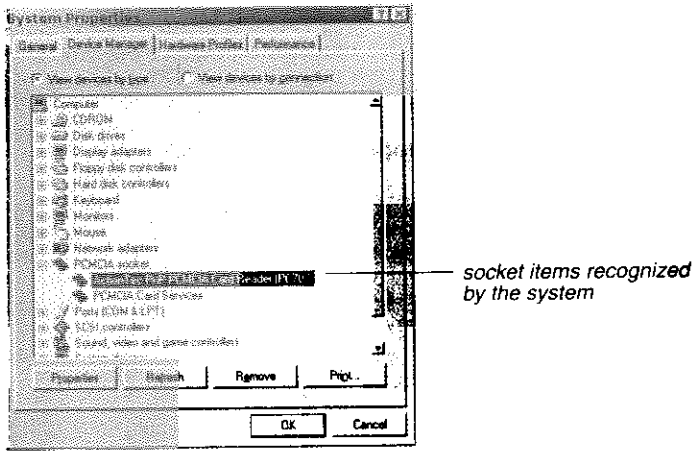
— Figure E —

2. **Double-click the System icon on the Control Panel.**

   The system displays the System Properties panel (Figure F).

3. **Click the Device Manager tab on the System Properties panel.**

   The system displays the Device Manager (Figure F).



— Figure F —

4. **Double-click the item "PCMCIA Socket" on the Device Manager listing.**

   The Device Manager displays the PCMCIA Socket items currently recognized by the system.

   If an "x" or "!" mark appears on an item, it is not currently recognized by the system. In this case, you must install the PCMCIA driver using the PCMCIA Card Wizard. (See "Installing the PCMCIA Driver Using the Windows PC Card Wizard" on page 8.)

   If the TEAC PCMCIA/IDE card is recognized by the system, proceed to "Installing the PCMCIA Driver Using the Windows Wizard" on page 10.

> *Note: If the PCMCIA Card icon does not appear in the Control Panel, try double-clicking the "Add New Hardware" icon and instruct the Wizard to search for new hardware.*

Installing the PCMCIA Driver Using the Windows PC Card Wizard

Follow the steps below to install the PCMCIA driver using the PC Card Wizard.

1. **Open the Windows Control Panel.**

   To do so, click the Start button, and select "Settings-->Control Panel" from the pop-up menu.

2. **On the Control Panel, double-click the "PC Card (PCMCIA)" icon.**

   The system displays the "Welcome to the PC Card (PCMCIA) Wizard" panel.

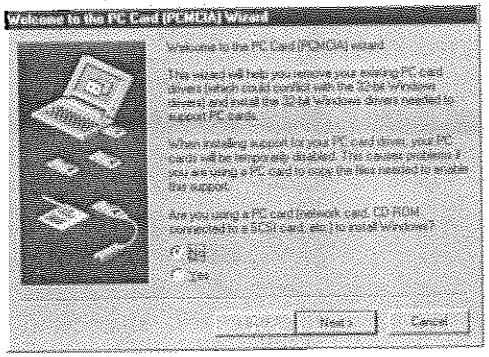


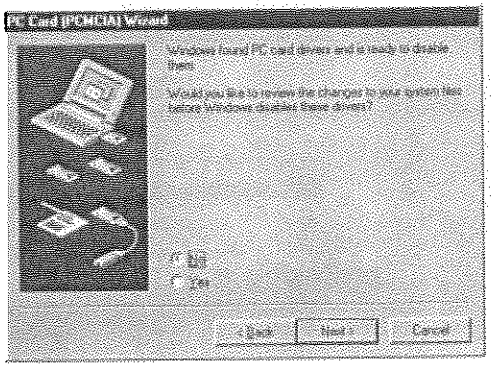
Figure G

Follow the instructions on the PC Card Wizard panels to complete the installation.

Note: The panels the Wizard displays are determined by your system configuration and responses to the dialog. Do not be concerned if your installation process varies slightly from the one described below. Simply follow the dialog presented.

3. **Click the "Next" button.**

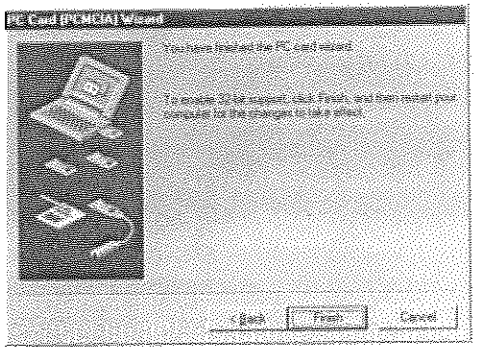
   The system displays the following panel.



— Figure H —

4. **Click the "Next" button.**

   The system displays the following panel:



— Figure I —

5. Click the "Finish" button.

   The system displays the following panel:

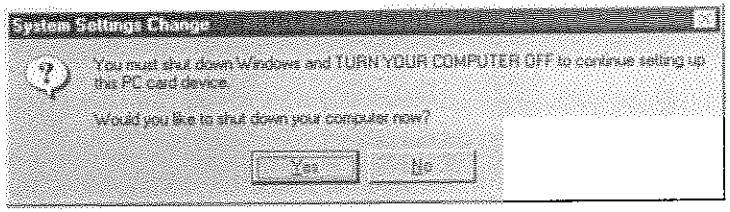


Figure J

6. **Click the "Yes" button to shut down the computer.**

   The system shuts down the computer.

7. **Power on the computer.**

Installing the PCMCIA Driver Using the Windows Wizard

The following sections explain how to install the PCMCIA driver using the Windows Add New Hardware Wizard.

Note: Drivers for MS-DOS and Windows 3.x may be downloaded from TEAC's website: http://www.teac.com/dsp/new-dsp.html

For Windows 98/95

The installation procedure for the PCMCIA Card Driver varies depending on the version of Windows 98/95 installed in your computer.

(For information on installing the PCMCIA Card Driver on a Windows NT system, see "For Windows NT" on page 13.)

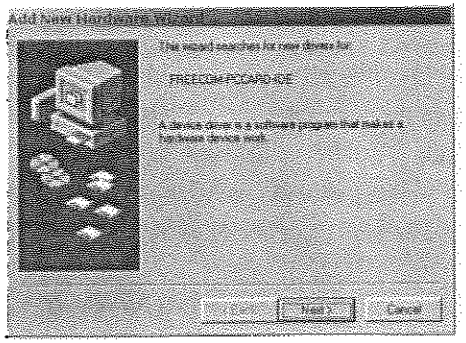
To install the driver on a Windows 98/95 system, follow these steps:

1. **Insert the PCMCIA card into the PCMCIA card slot in your laptop computer.**

   The other end of the card/cable should be connected to the interface connector on the PortaCD. (For more information, see "Connecting the PortaCD" on page 5.)

   Note: If the "Add New Hardware Wizard" does not pop up on your screen, go ahead and run the Setup.exe from your installation diskette and follow the instructions in the screen.

   The system displays the initial "Add New Hardware Wizard" panel.

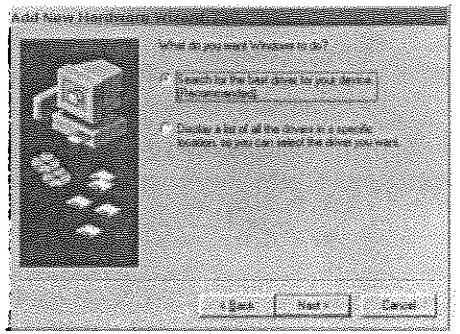


— *Figure K* —

Note: The panels the Wizard displays are determined by your system configuration and your responses to the dialog. Do not be concerned if your installation process varies slightly from the one described. Please simply follow the dialog presented.

2. **Click the "Next" button to search for the driver.**

   The system displays the following "Add New Hardware Wizard" panel, asking what you would like to do:



— *Figure L* —

3. **Select the "Search for best driver" option, then click the "Next" button.**

   The system displays the following "Add New Hardware Wizard" panel, asking you to specify the location of the driver:

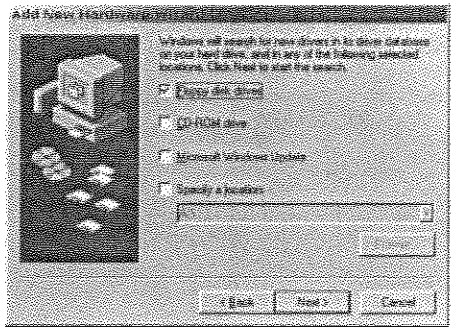


Figure M

4. **Insert the TEAC "Installation Software for PCMCIA Card" diskette in your computer's floppy disk drive.**
5. **Select the "Floppy disk drives" Wizard option, then click the "Next" button.**

   The system displays the following "Add New Hardware Wizard" panel, indicating that Windows has located the driver:

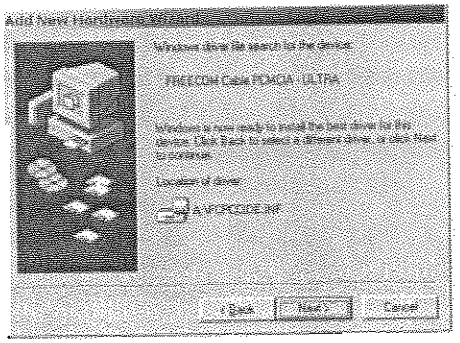


Figure N

6. **Click the "Next" button.**

   The system displays the following "Add New Hardware Wizard" panel, indicating that installation is complete:

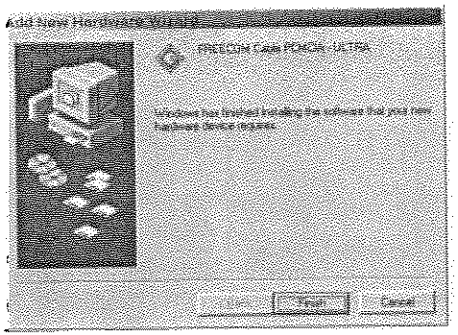


Figure O

7. **Click the "Finish" button.**

   The system displays the following panel:

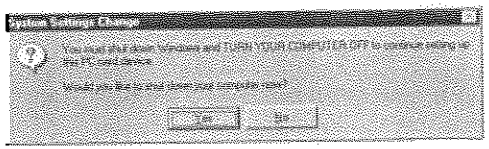


Figure P —

8. **Click the "Yes" button to shut down the computer.**

   The system shuts down the computer.

9. **After the hard disk in the computer stops spinning, restart the computer.**

For Windows NT

Windows NT Version 4.0 does not support hot swapping. Follow the steps below to install the driver.

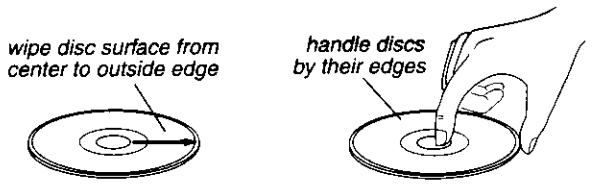
1. **Start your computer.**
2. **Check that the PCMCIA services are enabled in the Control Panel/ Devices.**

   The PCMCIA option should say "Started."

3. **Shut down and turn off the power to your computer.**
4. **Insert the PCMCIA card/cable into your computer's PC card slot.**
5. **Restart your computer.**
6. **Run Setup.exe from the TEAC installation software floppy disk and follow the menu-driven installation steps.**
7. **Once installation is complete, remove the floppy disk and restart the computer.**

Handling Discs

- Handle compact discs only by their edges to avoid getting fingerprints on the surface. Do not touch the disc's data surface (non-label side).
- Do not place discs in direct sunlight, or in locations subject to high humidity, high temperatures, or dusty conditions.
- If cleaning the disc becomes necessary (erratic operation or visible dust or smudges), gently wipe the surface of the disc from the surface to the outside edge. Do not use benzene, alcohol, thinner, or other solvents.



— *Figure Q* —

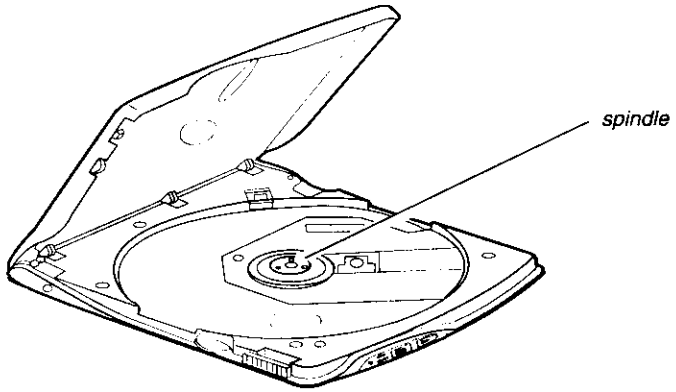
Loading and Ejecting a Disc

This section explains how to load and eject discs from the PortaCD.

Loading a Disc

1. **Slide forward the OPEN button on the left panel.**

   The disc tray cover will swing up and open.

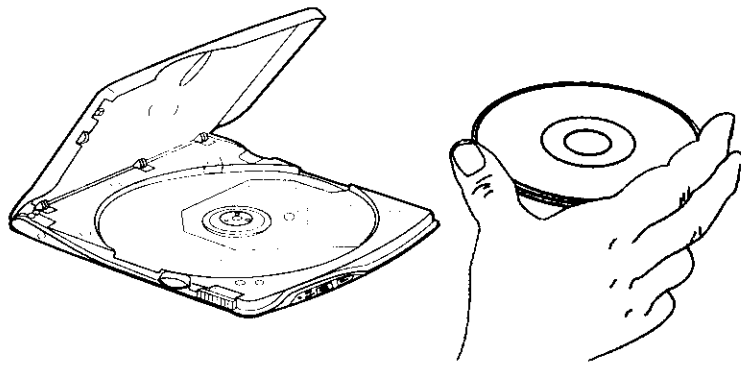


— *Figure R* —

2. **Insert a CD-ROM or audio CD into the drive with the disc label facing up.**

   Press the disc gently down onto the spindle, if necessary, until it snaps securely into position.

3. **Gently press down the disc tray cover to close the drive.**



— *Figure S* —

Ejecting a Disc

1. **To eject a disc, first make sure the disc has stopped spinning. Then slide forward the OPEN button on the left panel.**

   The disc tray cover will swing up and open.

2. **Carefully remove the disc.**

   You may need to press a finger on the spindle or chassis to stabilize the drive.

3. **Gently press down the disc tray cover to close the drive.**

Specifications

Model	CD-224PE
Disc Type	CD-DA CD-ROM (Mode-1, Mode-2) CD-ROM XA Mode-2 (Form-1, Form-2) Multi-Session PhotoCD™ CD-i, Video-CD, CD Extra (CD Plus)
Disc Diameter	12 cm, 8 cm
Interface	Atapi (drive side) PCMCIA Card Type II 16bit or CardBus 32bit
Data Transfer Rate	1.564KB/sec. (10.3x) ~ 3,600KB/sec (24x) (Full CAV, sustained) Burst: 8.33MB/sec (PIO Mode-2)
Random Access Time	130 msec (average)
Data Buffer Capacity	128KB
Ambient Temperature	Operating: 5° to 40°C
Relative Humidity	Operating: 8% to 80% (non-condensing), wet bulb temperature 29.4°C
Vibration	Operating: 0.2G or less (5-300Hz, Sweep) Transportation: (packed): 2G or less (5-300Hz, Sweep)
Shock	Operating: 5G or less (half-sine wave, 11 msec) excepting CD-DA play mode Non-operating/Transportation: 50G or less (half-sine wave, 11 msec)
MTBF	50,000 POH (10% duty)
Safety Standard	Approved by UL, CSA, TUV, FCC, CE
Dimensions	129.8 (W) x 15.0 (H) x 146 (D) mm
Weight	250g or less

Specifications and features subject to change without notice or obligation.

Technical Support

For technical support, please contact the dealer from whom you purchased the drive or the TEAC Service and Support Center nearest you:

North America:
TEAC America, Inc. (USA)
Technical Support
Telephone: (323) 727-4860
Fax: (323) 869-8751
Monday - Friday 8:00 a.m. - 5:00 pm
http://www.teac.com/dsp/new-dsp.html
E-mail: dspdtsg@teac.com

Europe:
TEAC Deutschland GmbH ICP Division (Germany)
Telephone: (611) 71-580
Fax: (611) 71-5892
BBS: (611) 71-5851
http://www.teac.de

TEAC UK Ltd.
Telephone: 923-225235 • Fax 923-236290

TEAC France S.A.
Telephone: (1) 42-37-01-02
Fax: (1) 42-37-65-45

Japan, Asia, Middle East:
TEAC Corporation, 3-7-3 Nakacho,
Musashino-shi, Tokyo 180 Japan
Field Service and Technical Support Section
Data Storage Products Sales and Marketing Division
Telephone: (0422) 52-5048
Fax-on-Demand (24 hours): (0422) 55-2554
BBS: (0429) 62-7498
(8 bit; 1 stop bit; no parity. Downloaded files compressed by LHA.)
http://www.teac.co.jp

TEAC Australia PTY LTD
A.C.N 005 408 462
106 Bay Street, Port Melbourne
Victoria 3207, Australia
Telephone: (03) 9644-2442
Fax: (03) 9646-9187
http://www.teac.com.au